

Permit Number	Facility Name	SLC	County	City	Receiving Water	Permit Date	Type of Facility	Effluent Stream	Treatment System	Monitoring Notes (Impg to public)	Average Flow (d)	Nitrogen Constituents	Phosphorus Constituents	Notes	Current Level	
Narrative Criteria Apply (No NNC)																
MT000264	Genex Harvest State Cooperative	2911	Yellowstone	Laurel	Yellowstone River	1999	Petroleum Refinery	Outfall 001 - Process Wastewater Cooling Tower Blowdown Collected Stormwater Runoff paste plant briquette cooling water, emissions scrubber water, cooling water from direct chill casting and acid Outfall 002 - once-through cooling water Outfall 003 - Discharge from the bottom ash handling system, and miscellaneous low volume wastes from plant floor drains, furnace seal 002 - treated pit water and commingled storm water discharged from settling pond 8-1	3 Petroleum separators 2 API oil-water separators DAF Aerated Sludge Digestion Clarification Sludge retention pond 2 aerated retention ponds percolation ponds No Nutrients monitoring requirements	Routine monitoring for flow and ammonia Ammonia limits - Daily Max = 418 lb/d 30 d avg = 191 lb/d Mean annual average monthly flow = 0.697 MGSD	1994-1998 data Mean annual high monthly average flow = 0.797 MGSD Mean annual average monthly flow = 0.697 MGSD	Ammonia Avg Daily Max = 12 lb/d Highest Daily Max = 66 lb/d Mean 30 d avg = 19 lb/d Method: 30 d Ave = 30 lb/d			Level 1	
MT003066	COLUMBIA FALLS ALUMINUM CO	3334	Flathead	Columbia Falls	Flathead River	1998	aluminum reduction plant	Outfall 001 - Process Wastewater Cooling Tower Blowdown Collected Stormwater Runoff paste plant briquette cooling water, emissions scrubber water, cooling water from direct chill casting and acid Outfall 002 - once-through cooling water Outfall 003 - Discharge from the bottom ash handling system, and miscellaneous low volume wastes from plant floor drains, furnace seal 002 - treated pit water and commingled storm water discharged from settling pond 8-1	percolation ponds No Nutrients monitoring requirements	2.4 and 2 mgd, Total 4.4 mgd Outfalls 002 is a discharge of condenser cooling water with an estimated flow of 50 MGSD and a maximum flow of 111 MGSD. Outfall 003 is a discharge which consists of an estimated 220 gpm from the Corette Plant bottom ash waste water, 1 gpm from plant floor drains, 10 gpm from the						
MT000396	CONETTE THERMAL PLANT	4911	Yellowstone	Billings	Yellowstone River	1999	coal fired steam electric generating plant			No Nutrients monitoring requirements						
MT0024210	DECKER COAL CO (EAST MINE)		Big Horn	Decker	Tongue River Reservoir	2006	surface coal mine			No Nutrients requirements	Average: 0.89 mgd	TN: min: 1.71, Max: 2.04, Ave: 1.87	TP: min: <0.01, max: 0.38, ave: 0.1		Level 4	
MT000892	DECKER COAL CO (WEST MINE)		Big Horn	Decker	Tongue River Reservoir	2006	surface coal mine	001 - treated pit water and commingled storm water discharged from pond #4, 005: treated coal preparation plant associated areas and commingled storm water from pond #1 007 - treated pit water and commingled storm water discharged from settling pond #26, 008 - spoil pile runoff and storm water discharged from settling pond #25 002 - spoil pile runoff and storm water discharged from settling pond #26								
MT000892	DECKER COAL CO (WEST MINE)		Big Horn	Decker	Tongue River Reservoir	2006	surface coal mine		sedimentation ponds,		1.12 mgd	TN: min: 0.46, Max: 3.95, Ave: 2.03 Total Ammonia as N mg/L, min: <0.1 max: 0.3 Ave: <0.12 Nitrite as N mg/L, min: <0.05 max: 0.55 Ave: <0.16 Nitrate as N mg/L, min: 0.06 max: 8.34 Ave: 5.65	TP: min: <0.01, max: 0.23, ave: 0.07		Level 4	
MT0028321	EXXON MOBIL BILLINGS REFINERY	2911	Yellowstone	Billings	Yellowstone River	2007	petroleum refinery	001 Treated Wastewater	API separator, induced air flotation unit, a biological oxidation lagoon and three stabilization/filtration ponds.		2352 gpm					Level 1
MT000477	EXXONMOBIL REFINING & SUPPLY IOWA NATURAL GAS WATER TREATMENT FACILITY	2911	Yellowstone	Billings	Yellowstone River	2009	petroleum refinery	002 - treated process wastewater from the refining process, 002 - noncontact cooling water	The Wastewater Treatment Plant (Outfall 001) consists of an American Petroleum Institute (API) separator, induced air flotation (IAF) unit, a biological oxidation lagoon, and stabilization/polishing ponds.		Treatment Plant: 1 mgd					Level 1
MT001623	JOHN I DAILY INC	3311	Hill	Glifford,	Frederic Reservoir	2009	drill and produce both natural gas and oil.	RO			3-day Average: 0.0639, Daily Min: 0.045, Daily Max:					Level 5
MT000004	JOHN I DAILY INC	3013	Missoula	Clark Fork River	Clark Fork River	2007	Food Processing, meat processing	Outfall 001 - Minor Industrial Non-Outfalls 002 and 004 - once-through non-contact cooling water (002 winter, 004 summer) Outfall 003 - wash water from sand pump and screen Outfall 007 - Discharge from an ash disposal pond containing ash sludge						Only NCCW effluent		
MT000302	MDU - LEWIS & CLARK PLANT	4911	Richland		Yellowstone River	2000	coal fired steam electric generating plant			No Nutrients monitoring requirements	42.34 mgd (majority is once-through cooling water), Ash pond discharge is 0.38 mgd					
MT0000188	MONTANA RAIL LINK - LIVINGSTON RAIL YARD	4011	Park	Livingston	Yellowstone River	2004	MRL operates a wastewater treatment plant (WWTP) that treats wastewater from two facilities. MRL operates its own railroad engine overhaul and heavy maintenance facility and Talgo-LLC, LLC (formerly known as the Livingston Rebuild Center, Inc.) operates a locomotive engine rebuilding facility	001 - Discharge pipe to Yellowstone River	grit separation equalization tank oil skimming chemical coagulation flocculation dissolved air flotation multimedia filtration carbon adsorption	No Nutrients monitoring requirements	0.0384 mgd					
MT0021431	MT BEHAVIORAL HEALTH INC WWTP	8062	Deer Lodge	Galen	Clark Fork River	2007	The Galen WWTP serves the residents and employees of the non-profit 501 C-3 corporation Montana Behavioral Health, Inc. (MBH) Galen Campus.	001 - Continuous Discharge to Surface Water	activated sludge mechanical facility		Design flow: 0.1 mgd	TN: Min: 7.05, Max: 99.9, ave: 21.06	TP: Min: 0.47, Max: 11.0, ave: 6.4		level 1	
MT0030287	REVEY SILVER COMPANY - ROCK CREEK MINE	1021	Sanders	planning to install RO.	Clark Fork River	1997	underground copper and silver mine	001 - Direct discharge to the Clark Fork River, 002 - Seepage discharge to ground water hydraulically connected to Clark Fork River from the tailing facility. 003 - Storm water from the paste storage tailing ponds to Miller Creek 004 - Direct discharge to Rock Creek 005 (internal) - Domestic wastewater treatment system into the mine drainage wastewater treatment system (internal Outfall 005).						Draft permit for a proposed facility	No need to cost	
MT0000248	SONEY SUGARS INCORPORATED	2063	Richland				The applicant processes sugar beets to produce refined sugar.	Outfall 001 - Process water to unlined irrigation return channel Outfall 002 - Process water to Yellowstone River via shallow ground water Outfall 003 - Process water to unconfined shallow aquifer Land Application	primary settling achieved by the clarifier and in the various factors via microbials		Outfall 1: 164,213 and Outfall 2: 143,996 and				level 1	
MT0004485	TRIDENT PLANT	3241	Gallatin	Three Forks	Missouri River	2009	non-leaching wet process to manufacture cement.	002 Treated Wastewater	extended aeration package plant consisting of a combined aeration tank and clarifier.		0.007 med	TN (mg/l) - Min: 2.5; max: 19.1, Ave: 7.4.	TP (mg/l) - min 0.2, max 1.1, Ave: 0.5.		Level 2	

Nondischarging: CAFO or N/A

MT0000884	BIG SKY COAL COMPANY - BIG SKY MINE	1221	Rowehead	Colstrip	Lae, Emily, Miller, and Hwy Chubasco (tributary to Rowhead Creek)	2008	surface coal mine	21 outfalls. All treated stormwater	sediment pond	No Nutrients monitoring requirements	0.33 mgd							
MT0028983	RUII MOUNTAIN MINE #1	1221	Musselshell		Rahder Creek? Usually no nutrient sources. May not have BP for nutrients.	2008	underground coal mine (Bituminous and Lignite Coal Mining). No explosives. Long wall mine - 1200' length.	001, 003, 004, 007, 008, 009 - Abaline Mine Drainage 002, 005 - Coal Preparation Plants 006 - Western Abaline Coal Mine	nine storm water detention ponds to treat waste and storm water runoff from within the permitted area. Treatment consists of detention of process waters and storm water to allow suspended solids to settle out.	No Nutrients monitoring requirements	175 acm							
MT0031534	CATTLE DEVELOPMENT CENTER		Yellowstone		N/A, must retain runoff under 25 yr event.											CAFO	CAFO	
MT0002056	Genoss Phobos Bituminous Refinery	291	Yellowstone	Billings	Yegen Drain (tributed up to Billings, N/A)	2008	Petroleum Refinery		Outfall 001 - *cross-plate separators (solids and oil) *O&P *Activated sludge *Aeration and equalization tanks *Bio oxidation ponds *holding and emergency ponds *stabilization/polishing ponds Outfall 001 - Process Wastewater Collected Stormwater Runoff Contaminated groundwater Outfall 002 - Hydraulic testing water (potable use only) Outfall 002 - Have supplemental monitoring requirements for TN and TP	Ambient monitoring of Yegen Drain 2005-2007 Total N = 15.02 mg/L (max) total P = 0.48 mg/L (max) Mean daily max = 0.70 mgd Max daily max = 2.70 mgd Mean 30 d average = 0.50 mgd Max 30 d average = 0.75 mgd					Effluent TN (2 samples) Avg = 12.06 mg/L Max = 13.02 mg/L Effluent TP (2 samples) Avg = 3.88 mg/L Max = 4.96 mg/L Receiving water TN (X samples) Avg = 15.03 mg/L Receiving water TP (X samples) Avg = 0.48 mg/L Check DMR for additional data	Level 1		
MT0030724	POULTY - TONGUE RIVER PROJECT WTP	5111	Big Horn		N/A, must retain runoff under 25 yr event.	2010	coal bed natural gas - may not have BP for nutrients or may have mine zone.	concentrated animal feeding operation	Privately Owned Treatment Works - Minor	Higgins Loop Ion Exchange (IX) technology	850 or 1700 acm				TN: 0.6		Level 4	
MT0030741	HEADWATERS LIVESTOCK AUCTION		Broadwater		Jefferson River - appears to have low treatment levels. May not have BP.	2004	coal bed natural gas			Higgins Loop Ion Exchange (IX) technology	0.52-5.43 mgd					CAFO	CAFO	
MT0031903	JAMES GUERCO - CHW RANCH	1311	Big Horn				coal bed natural gas	001 - Overflow structure of Pond 1; Mine drainage 002 - Overflow structure of Pond 2; Commingled coal plant wash down, Mine drainage and pH water, and CMBG produced water 007 - Overflow structure of Pond 17; Mine drainage 012 - Overflow structure of Pond 9; Mine drainage	Each outfall is associated with a sediment pond designed to contain the runoff from a 25-year, 24-hour rainfall event.	No Nutrients monitoring requirements	0.02 mgd (7)						Level 4	
MT0024619	SPRING CREEK MINE	1221	Big Horn	Decker	Spring Creek		surface coal mine; no discharge at this point.											
MT0023905	WESTERN ENERGY CO - ROSEBUD MINE	1221	Rowehead	Colstrip	Stodder Creek, Hay Coulue, South Fork Cow Creek, Cow Creek, East Fork Armahs Creek, Carlie Rock Reservoir, Spring Creek, West Fork Armahs Creek, Blank Hawk Creek, Donley Creek, Lee Coulue and Pony Creek. Dissimulative capacity; small facility. These listed for metals but no nutrients	1999	surface coal mine; use ammonia nitrate. Commonly use water and use for dust control. No discharge	Multiple 001 - Overflow from North Pond 2; Mine drainage 002 - Overflow from South Pond 1; Mine drainage 003 - Overflow from South Pond 2; Mine drainage 004 - Overflow from Tipple Pond; Mine drainage 005 - Overflow from South Pond 3; Mine drainage 006 - Coal plant wash down and mine drainage	various sediment control facilities including ponds, traps and alternate sediment control installations	No Nutrients monitoring requirements								
MT0023904	WESTMORELAND SAVAGE CORP - SAVAGE MINE	1221	Richard ID	Savage	Pinkbody and Garden Coulees?? (L3; 0.576 mail)	2008	surface coal mine; small facility (9 employees). Likely not to discharge or have BP for nutrients.			No Nutrients monitoring requirements	MDG.							
Numeric Nutrient Criteria Apply - Known EOP.																		
MT0030147	ASARCO INC	1339	Lewis and Clark	East Helena	Prickly Pear Creek*	2010	Abandoned lead smelter	001 - Process Wastewater, Privately-owned, Minor Facility.	pH adjustment, sedimentation, thickening, and filter pressing of sludge.		55 acm				Ammonia as N: 1.52 me/L	TP: 0.25 me/L	Level 3	
MT0030011	ASARCO LLC - MIKE MORGAN/ANACONDA MINE WATER TREATMENT SYSTEM	1021	Lewis and Clark		Prickly Pear Creek* Mike Horse Creek and Blackfoot River (tributaries for creek; nutrient listing for Blackfoot River*)	2011	The Mike Horse and Anaconda Adits. Copper adits (mine drainage).	002A Mine drainage 003A Mine drainage	constructed wetlands treatment system	No Nutrients monitoring requirements	32.5 gpm						Level 1	
MT0000451	ASH GROVE CEMENT COMPANY	1422 and Jefferson			Prickly Pear Creek*	2010	non-leaching wet process to manufacture Portland cement	001 Treated Wastewater and Storm Water 002 Regulated Storm Water	Holding pond	No Nutrients monitoring requirements	Outfall 001: 0.043 mgd Outfall 002: 0.049 mgd Outfall 003: 0.08 mgd							
MT0027221	BEAVERHEAD TAIC MINE	1499	Madison		Closed, but seepage... Draft Permit determined BP. General variance...	2006	former open-pit and underground salt mining operation undergoing post-closure reclamation stabilization	001 Mine Drainage	Two sedimentation ponds.	Continuous discharge	230,700 gpd						Level 1	
MT0023566	ELKHORN HEALTH CARE WWTP	8051	Jefferson	Altamira	Prickly Pear Creek*	2009	WWTP serves the residents and employees of a privately-owned nursing home facility.	001 - Minor, Private			Design Flow: Average (med): 0.015				TN: Min: 1.09, Max: 84, ave: 38.3 Median and mean concentrations for TN was approx. 2.0 mg/L	TP: Min: 0.02, Max: 5.0, ave: 1.9	Level 1	
MT0000101	MONTANA RESOURCES		Silver Bow	Butte	Silver Bow Creek* (N/A in Nutrient TMDL)	2000	Open pit copper molybdenum mine	Outfall 004 - Tailings pond	Tailing is slurried to a tailing impoundment. Lime is added.	Calculation are based on 5.04 mgd							Level 4	
MT0000230	MONTANA SULPHUR & CHEMICAL CO	2819	Yellowstone	Billings	Dry Creek (Flow 3.5 MGSD, assume COP, Level 3)	2007	MSCC processes refinery "acid gas" and "sour fuel gas" from ExxonMobil and returns processed fuel gas to the refinery. Chemical products and gases are produced from the gas treatment process. The MSCC gas treatment process treats and de-sulfurates fuel gases and processes hydrogen sulfide-containing gases into elemental sulfur (brimstone). open pit metal mine and flotation mill (silver, gold, and base metal concentrate)	Outfall 001 - Minor - privately owned treatment works with non-contact cooling water 002 - Mine Drainage and Storm Water 002 - Mine Drainage	After non-contact cooling water is used, it is discharged at various points into the plant drainage culvert that drains to Dry Creek. In addition, as stated above, the solids content from water filters, offshore regeneration wastewater and back flush water are discharged with non-contact cooling water.	1439 gpm				Nitrate plus Nitric as Nitrogen: Average, Outfall 001 = 0.05, Outfall 002 = 0.33		Level 5		
MT0028428	MONTANA TUNNELS MINING INC	1099	Jefferson		Spring Creek*	2007			Sedimentation ponds									
MT0030543	SLEEPING BUFFALO HOT SPRINGS - LAGOON		Phillips	Saco	Beaver Creek* (TP listing)	2002			1-acre, single-cell facultative lagoon system with no disinfection, with discharge of effluent to a wetland area that flows into a constructed ditch that flows into Beaver Creek.	Design flow: 0.0129 mgd							Level 1	
MT0026808	STILLWATER MINING COMPANY	1099	Sweet Grass	Big Timber	East Boulder River* (SH)	2000		Outfall 1 is only surface water discharge	The acid water will pass through anoxic biotreatment cells which remove nitrogen compounds through biological transformation.	737 gpm							Proposed permit for a new mine, level 3 (7)	Level 3
MT0000281	WESTERN SUGAR COOPERATIVE	2063	Yellowstone		Yegen Drain (Flow 9.36 MGSD, Level 1 EOP)	2009	The applicant proposes sugar beets to produce refined sugar. Note: if can seasonally retain, RD may not be required.	001 - Process Wastewater 002 - Process Wastewater and Cooling Water 004 - Process Wastewater	001 - two aerated treatment ponds.	The average flow contributed by the each outfall is listed on the renewal application as: 2.1 million gallons per day (mgd) at Outfall 001; 2.4 mgd at Outfall 002; and 0.04 mgd (48.4 exflows per minute) at Outfall 004.	001 - Total Ammonia as N (mg/L) Min: 30, Max: 44, Ave: 33.3						Level 1	
MT0021229	WESTMORELAND RESOURCES INC - ABSAIDNA MINE	1223	Big Horn	Hardin	Santon Creek*	2003	surface coal mine; use ammonia nitrate. Commonly use water and use for dust control. No discharge.	001 - Mine Drainage and Storm Water 002 - Mine Drainage	sediment control facilities including ponds, traps and alternate sediment control installations	No Nutrients monitoring requirements								
MT0020460	YELLOWSTONE BOYS & GIRLS RANCH	7032	Yellowstone	Billings	Campen Creek	2004	psychiatric and other treatment and support for children, youth and their families.	001 Treated Wastewater	Three-cell facultative lagoon without disinfection.	Intermittent discharge, Design flow: 0.023 mgd				TN: Min: 9.6, Max: 19, ave: 13.6, s.d	TP: Min: 2.45, Max: 5.43, ave: 3.8	Level 1		
TOTAL																		

Numeric Nutrient Criteria Apply - RO Needed using Stillwater Example															
MT0030578	BARRETT'S MINERALS - REGAL MINE	1009	Beaverhead		0.144 mg/L, L37?										
MT0029801	BARRETT'S MINERALS INC.	1409	Beaverhead	Prine Meridian	Left Fork Stone Creek (1.6 MGD), L37?	2006	open-pit tail mine, use explosives	001 - Surface Water 002 - Surface Water 003 - Surface Water and Mine Pit Water	Pond		001: 666 ppm; 002: 236 ppm	001 TN: min 2.5; max 4.9; ave 4.21 002: min 2.0; max 4.3; ave 3.09 Averages: Nitrate + Nitrite, as N 3.26, Ammonia, as N <0.01; Total Organic Nitrogen, as N 0.7		Level 3	
MT0028584	LUZERN AMERICA INC. - YELLOWSTONE MINE	1409	Madison		Johnny Gulch and Unnamed Irrigation Ditch	2009	open-pit talc mining and sorting operation; use explosives	001 - Surface Water 002 - Surface Water			No discharge from Outfall 001.	55 ch		Level 3	
MT0030279	MONTANORE MINERALS CORP MONTANORE MINE	1021 and Lincoln		Pending verification from Maggie Pierce re. RO	Libby Creek	2006	The adit has been closed, flooded and site has undergone reclamation.	001 - Mine Drainage adit water 002 - Mine Drainage adit water 003 - Mine Drainage adit water 004 - Mine discharge direct to Stillwater River 005 - Mine drainage to ground water 006 - Mine drainage to ground water	Drainfields			TN: min <0.07, max <1.95, av <0.021		Level 5	
MT0024716	STILLWATER MINING COMPANY	1021	Stillwater	Nye	Stillwater River (0.04 mg/L, L4 and 0.85 mg/L, L3 - RC) Nitrate listing.	2007	platinum and palladium mine	001 - Mine drainage to ground water			2000 ppm	Averages: TON: 0.2; Ammonia: 0.029; Nitrate-Nitrite: 0.074.	TP: Average 0.058	Level 4	
TOTAL															
Numeric Nutrient Criteria Apply - Possible Assimilative Capacity, Unknown without site-specific analysis															
MT0000019	BN WHITEFISH FACILITY	4011	Flathead	Whitefish	Whitefish River Little Boulder River [assimilative capacity: small facility stream listed for metals but not nutrients]	2010	Assimilative Capacity 7.0 0.06 low [Open Level 3]							Statement of Basis received was for a permit modification (outfall relocation)	
MT0023639	BOULDER HOT SPRINGS WWTP		Jefferson	Boulder		2009	privately-owned Boulder Hot Springs domestic wastewater treatment facility.	001 - Discharge is from the infiltration gallery 002 - Discharge is from the underdrains to an infiltration gallery and then to groundwater	two-cell lagoon system		Design: 0.085 MGD. Average: 94 ppm	TN: Min: 0.33, Max: 2.11, ave: 0.84	TP: Min: <0.05, Max: 0.21, ave: 0.10	Level 3	
MT0030015	M & W MILLING & REFINING INC.	1041	Madison		Alder Creek	1998	milling facility for precious and base metals.	001 - Discharge is from the infiltration gallery 002 - Discharge is from the underdrains to an infiltration gallery and then to groundwater	unlined impoundment		Nitrate/Nitrite as N permit limits are 1.0 for Outfall 001 and 10 for outfall 002			Level 1	
MT0030192	MS&C COMPANY - WRIGHT CREEK WATER DISPOSAL FACILITY	1311			Bulls Creek (0.027 mg/L, L37?)	1998	Oil production		two unlined settling/evaporation ponds, each of which discharges to a third settling/evaporation pond	No nutrients monitoring requirements	11.67 acm				
MT0029980	MONTANA AVIATION RESEARCH CO PINNACLE GAS RESOURCES - COAL CREEK DEVELOPMENT UNIT	4941 1311	Valley Big Horn		East Fork Cherry Creek via Spring Coulee Tonawaa River	2005 2004	conventional potable water treatment plant	001 Process Water	001: furnace wastewater)	Equalization (EQ) basin, flocculation, clarification and neutralization. Treated wastewater mixed with cooling tower blowdown water prior to discharge.	No nutrients monitoring requirements	0.06 mg/L. No discharge has been recorded		unrecorded facility	
MT0030660	REC ADVANCED SILICON MATERIALS LLC	3339	Silver Bow		Silver Bow listed for nutrients; WSA of 0. Abt report assumes RO	2010	Production of high purity polycrystalline silicon	001 - Minor Private 002 - Storm Water (integrated) 003 - Minor Private			0.8 mg/L	TN: min <0.1, max 2.6, ave: <0.7	TP: min 0.08, max: 0.4, ave: 0.3	Level 3	
MT0030252	TVX MINERAL HILL INC. TVX MINERAL HILL MINE	1041	Park	Gardiner	Bear Creek	2001	Abandoned underground precious metal mine		tailing storage	No nutrients monitoring requirements	2 ppm			moving to non-discharging system.	No need to cost
MT0031411	WOLF MOUNTAIN COAL	1221	Big Horn		Monument Creek	2006	Enamelside storm water ditch, hooking up to Billings?	001 Process wastewater (washdown of screening equipment; not from the physical washing of coal.)	sedimentation pond.		4800 gpd Effluent discharged to surface waters is expected to occur only during storm events greater than the 25-year/ 24-hour event)			Level 1	
MT0030180	YELLOWSTONE ENERGY LIMITED PARTNERSHIP FACILITY	4911	Yellowstone	Billings		2008	steam and electric generating plant		pH adjustment		70 ppm			Level 3	
TOTAL		10													
Sum		53													